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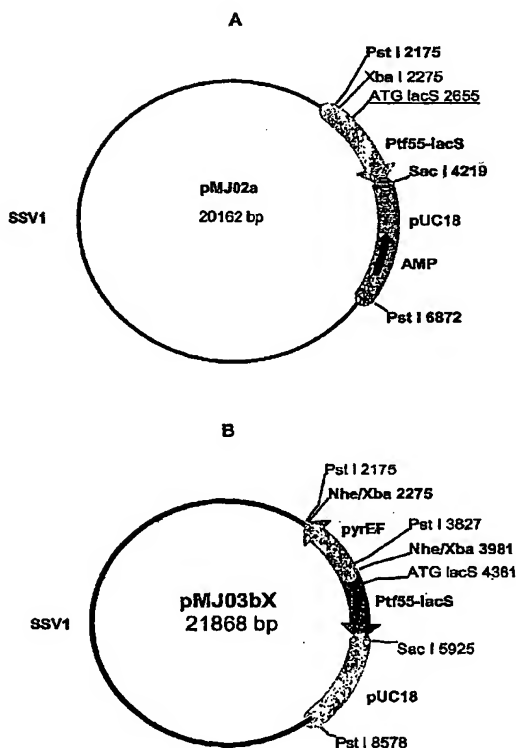
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(54) Title: **ARCHAEON EXPRESSION SYSTEM**



(57) Abstract: The present invention relates to a *Sulfolobus* ex-  
pression vector comprising: (a) a *Sulfolobus* origin of replication;  
(b) the genes encoding the structural proteins and the site-specific  
integrase of SSV1, SSV2 or pSSVx, operatively linked to expres-  
sion control sequences and a packaging signal; (c) one or more se-  
lectable marker gene(s), operatively linked to *Sulfolobus* expres-  
sion control sequences; and (d) a *Sulfolobus* promoter followed 3'  
by a restriction enzyme recognition site or a multiple cloning site  
for insertion of a gene of interest and optionally a 3' regulatory el-  
ement. Moreover, the present invention relates to a shuttle vector  
comprising the sequences of the expression vector of the inven-  
tion and additional sequences for propagation and selection in *E. coli*,  
wherein the additional sequences comprise (a) an *E. coli* ori of  
replication; and (b) a marker for selection in *E. coli*. Furthermore,  
the invention relates to host cells transformed with the expression  
vector as well as to a kit comprising a vector or a host cell of the  
present invention. Finally, the present application also relates to  
a method for generating infectious subviral particles.

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